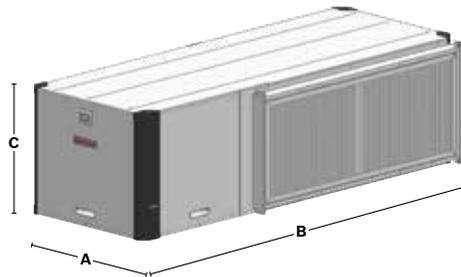
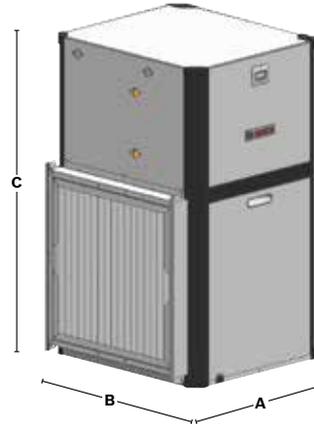


# Technical Specifications

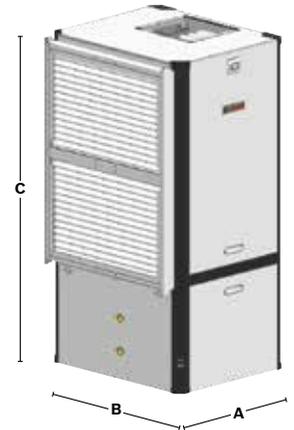
## SM CDi SERIES



Horizontal



Counterflow



Vertical



| Model | Greensource™ Dimensions |           |            |            |           |            |
|-------|-------------------------|-----------|------------|------------|-----------|------------|
|       | Vertical/Counterflow    |           |            | Horizontal |           |            |
|       | A (width)               | B (depth) | C (height) | A (width)  | B (depth) | C (height) |
| SM024 | 24.0                    | 27.4      | 44.7       | 25.1       | 65.5      | 20.0       |
| SM036 | 25.8                    | 33.4      | 52.7       | 28.0       | 76.0      | 23.0       |
| SM048 | 25.8                    | 33.4      | 52.7       | 28.0       | 76.0      | 23.0       |
| SM060 | 27.0                    | 33.4      | 62.1       | 28.0       | 83.0      | 23.0       |
| SM070 | 27.0                    | 33.4      | 62.1       | 28.0       | 83.0      | 23.0       |

ENERGY STAR Rated Products



| Model Number | Fluid Flow Rate | ARI/ISO 13256-1 Performance Data |      |                  |     |                     |      |                  |     |                    |      |                  |     |
|--------------|-----------------|----------------------------------|------|------------------|-----|---------------------|------|------------------|-----|--------------------|------|------------------|-----|
|              |                 | Entering Water Temperatures      |      |                  |     |                     |      |                  |     |                    |      |                  |     |
|              |                 | Water Loop (WLHP)                |      |                  |     | Ground Water (GWHP) |      |                  |     | Ground Loop (GLHP) |      |                  |     |
|              |                 | 86°F                             |      | 68°F             |     | 59°F                |      | 50°F             |     | 77°F               |      | 32°F             |     |
|              |                 | Cooling Capacity                 | EER  | Heating Capacity | COP | Cooling Capacity    | EER  | Heating Capacity | COP | Cooling Capacity   | EER  | Heating Capacity | COP |
| <b>SM024</b> |                 |                                  |      |                  |     |                     |      |                  |     |                    |      |                  |     |
| Part Load    | 6.0             | 18500                            | 18.9 | 21200            | 6.5 | 21700               | 33.6 | 16700            | 5.1 | 21000              | 28.1 | 14400            | 4.4 |
| Full Load    | 6.0             | 25500                            | 17.4 | 29200            | 5.6 | 29000               | 26.5 | 23500            | 4.9 | 26600              | 19.9 | 18000            | 4.1 |
| <b>SM036</b> |                 |                                  |      |                  |     |                     |      |                  |     |                    |      |                  |     |
| Part Load    | 9.0             | 29200                            | 22.2 | 31000            | 6.5 | 33100               | 37.0 | 25200            | 5.2 | 32100              | 32.0 | 22400            | 4.7 |
| Full Load    | 9.0             | 39600                            | 19.0 | 42800            | 5.6 | 44000               | 28.0 | 35900            | 5.1 | 41400              | 22.0 | 28400            | 4.3 |
| <b>SM048</b> |                 |                                  |      |                  |     |                     |      |                  |     |                    |      |                  |     |
| Part Load    | 12.0            | 36700                            | 18.9 | 40900            | 6.2 | 42000               | 33.8 | 33700            | 5.2 | 39900              | 27.8 | 29800            | 4.5 |
| Full Load    | 12.0            | 49200                            | 16.6 | 56100            | 5.3 | 55300               | 25.3 | 46300            | 4.7 | 51300              | 19.3 | 36900            | 4.0 |
| <b>SM060</b> |                 |                                  |      |                  |     |                     |      |                  |     |                    |      |                  |     |
| Part Load    | 15.0            | 47500                            | 18.7 | 53600            | 5.8 | 53300               | 31.2 | 44300            | 4.8 | 51600              | 26.5 | 39800            | 4.4 |
| Full Load    | 15.0            | 63800                            | 17.0 | 73300            | 5.2 | 70200               | 24.4 | 60300            | 4.6 | 65100              | 18.9 | 48000            | 3.9 |
| <b>SM070</b> |                 |                                  |      |                  |     |                     |      |                  |     |                    |      |                  |     |
| Part Load    | 18.0            | 55200                            | 17.8 | 64900            | 5.7 | 60800               | 28.5 | 52900            | 4.8 | 60300              | 25.4 | 46900            | 4.3 |
| Full Load    | 18.0            | 71600                            | 16.3 | 84000            | 5.1 | 78700               | 23.1 | 70000            | 4.5 | 73700              | 18.5 | 55300            | 3.8 |

# GreenSource™ Features



The iconic brand you and your customers know and trust has now come out with the best new product on the market! Manufactured with unmatched quality and craftsmanship here in the USA and backed by a limited 10-year parts and labor warranty, the Bosch GreenSource™ geothermal heat pump was specifically designed to improve the ease of service, sound quality, aesthetics and energy efficiency.

- ▶ Up to 32.0 EER at part load ground loop heat pump
- ▶ Up to 22.0 EER at full load ground loop heat pump
- ▶ Tin-plated coil
- ▶ Leakage rates below 2%
- ▶ Closed cell (fiber-free) insulation



Multi-position installation

## Field Configurable

With multi-positional installation, not only can you easily install our product, but you can keep your inventory low. The Bosch GreenSource™ geothermal heat pump is designed to be field-configured for various arrangements including air discharge (up, back or sides) or air return (left or right). This means less need to stock various unit configurations and easier installations.

## Ease of Service

Innovative design, high-efficiency and a reliable product means easier installations, fewer callbacks and more satisfied customers. However, when a unit needs servicing, GreenSource™ makes it easy. All main components including: removable electric box, blower inlet ring, wiring harnesses, and thermostat connection plug; are entirely serviceable from the front of the unit. Additionally, the easy-to-read LCD allows for fault codes to be automatically displayed, thereby cutting down on diagnostic time and identifying faults as quickly as possible.

## Quiet Operation

GreenSource™ is equipped with an advanced sound package comprising of a unique floating base pan to isolate internal components from the exterior cabinet thereby reducing sound and vibration. Combined with high-density, closed-cell foam cabinet insulation makes the GreenSource™ one of the quietest units on the market.

## CDi: Complete Design with Innovation

Bosch's top of the line GreenSource™ geothermal heat pump is now available. The CDi series, which stands for Complete Design with Innovation, is built and tested to be one of the highest efficiency and most reliable units on the market.



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